

# EmiratesGreen

الامارات الخضراء لتجارته المعدات الكهربائية والميكانيكية  
**EmiratesGreen** Electrical & Mechanical Trading Est.

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**NEW**



SPMC240-0.0	SPMC482-2.0
SPMC240-2.0	SPMC482-3.0
SPMC240-2.5	SPMC482-4.0
SPMC241-0.0	SPMC482-4.9
SPMC241-2.0	SPMC482-5.0
SPMC241-2.5	SPMC482-6.0
SPMC241-3.0	SPMC1201-0.0
SPMC241-3.5	SPMC1201-6.0
SPMC481-0.0	SPLC1200-0.0
SPMC481-2.0	SPLC1200-15.0
SPMC481-3.0	SPLC1202-0.0
SPMC481-4.0	SPLC1202-20.0
SPMC482-0.0	

# SP PRO GO SERIES

## Grid optimised - no compromise

The SP PRO - GO series of Bi Directional Inverter charger can control and manage every aspect of your on-grid energy needs.

By incorporating PV Solar, Wind, Hydro or a Diesel Generator, no matter where you are on the grid you can be sure you will never be without power.

### Product highlights

- Multimode Inverter
- Grid Optimised
- Weak Grid Support
- Batteryless option
- Zero Export compatible
- Peak demand management
- Range to suit all Export requirements
- AC or DC Coupling compatible
- 63A or 125A AC transfer contactor standard
- Export Power output 0kW-60kW
- AC Load power 3kW-60kW
- Seamless blackout protection
- Retrofit your current solar power system
- Up to 8 year warranty\*

Backed by Australia's most trusted manufacturer.

\*Conditions apply see website for details

Independence | Peace of mind | Reliability | Flexibility

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# SP PRO GO SERIES SPECIFICATIONS

	SPMC240-x.x		SPMC241-x.x		SPMC481-x.x		SPMC482-x.x		SPMC1201-x.x		SPLC1200-x.x		SPLC1202-x.x		
<b>AC OUTPUTS</b>															
	x.x	Value	x.x	Value	x.x	Value	x.x	Value	x.x	Value	x.x	Value	x.x	Value	
Maximum AC Grid Feed Power	0.0	0.0 kW	0.0	0.0 kW	0.0	0.0 kW	0.0	0.0 kW	0.0	0.0 kW	0.0	0.0 kW	0.0	0.0 kW	
<i>Example:</i>	2.0	2.0 kW	2.0	2.0 kW	2.0	2.0 kW	2.0	2.0 kW	2.0	2.0 kW	2.0	2.0 kW	2.0	2.0 kW	
<i>SPMC240-2.5 = 2.5kW</i>	2.5	2.5 kW	2.5	2.5 kW	3.0	3.0 kW	3.0	3.0 kW	3.0	3.0 kW	3.0	3.0 kW	3.0	3.0 kW	
<i>SPMC241-3.5 = 3.5kW</i>			3.0	3.0 kW	4.0	4.0 kW	4.0	4.0 kW	4.0	4.0 kW	4.0	4.0 kW	4.0	4.0 kW	
<i>SPMC481-0.0 = 0.0kW</i>			3.5	3.5 kW			4.9	4.9 kW	5.0	5.0 kW	6.0	6.0 kW			
Maximum AC Load Power from batteries:	Continuous	3.0 kW	4.5 kW	5.0 kW	7.5 kW	7.5 kW	15.0 kW	20.0 kW							
	60 minutes	3.2 kW	4.7 kW	5.3 kW	8 kW	8 kW	18 kW	24 kW							
	30 minute	4.2 kW	6.75 kW	7.0 kW	11.25 kW	11.25 kW	23 kW	30 kW							
	1 minute	5.4 kW	7.6 kW	8.7 kW	13 kW	13 kW	26 kW	35 kW							
	30 seconds	7.5 kW	10.5 kW	12 kW	18 kW	18 kW	33 kW	44 kW							
Maximum total output to Load, AC source + inverter	15 kW + inverter rating (60 kW + inverter rating with optional external contactor)										30 kW (60 kW + inverter rating with optional external contactor)				
Nominal voltage (true sine wave)	240 V AC configurable 210 to 240 V AC														
Total harmonic distortion	<3% @ 0-200% rated load														
Frequency	50 or 60 Hz +/-0.005% No Grid														
<b>AC INPUTS</b>															
Nominal voltage	210 +/- 15% to 240 +/- 10% V AC														
Nominal input frequency	50/60Hz configurable +/- 1% to 10%														
AC transfer current capacity	63 A (250 A with optional external contactor)										125 A (250 A with optional external contactor)				
Maximum AC input source, (backup generator or grid)	15 kW (60 kW with optional external contactor)										30 kW (60 kW with optional external contactor)				
AC transfer time	typical < 1/2 cycle														
Maximum battery charging from Grid	3.0 kW	4.5 kW	5.0 kW	7.5 kW	7.5 kW	15.0 kW	20.0 kW								
<b>DC INPUTS</b>															
Rated DC input / DC voltage range (V DC)	24 V / 20 - 34				48 V / 40 - 68				120 V / 100 - 170						
Battery capacity (range)	up to 10, 000 Ah														
<b>EFFICIENCY</b>															
Peak Efficiency	95%	95%	96%	96%	97%	97.2 %	97.2%								
DC consumption: idle	6 W														
<b>GENERAL</b>															
DC Circuit Breakers internal	-										2 pole 250A				
Operating Temperature Range	-10 °C to 60 °C														
Inverter display indicators	Charger status, Charge source, Usable battery capacity remaining, Alarms, AC status.														
Renewable charging source	Managed AC Coupling with any KACO single phase inverter, DC Renewable charge controller or Generic AC Coupled <sup>1</sup>														
Max PV	KACO = 2 x AC Load Rating. Other brands = 1 x AC Load Rating														
Data logging storage	Up to 2.5 years														
SP LINK configuration and monitoring software	Included as standard														
<b>FEATURES</b>															
Battery temperature / Mid point battery voltage sense	Yes / Yes														
Control Inputs	4 off, 12V to 60V On, < 3V Off														
Shunt Inputs	Two user definable: Suitable for 25 A - 1000 A current shunts at 25mV - 100mV														
Analogue Inputs	2 general purpose logged 0-60V										-				
Relay Control Outputs	Relay: 4 off: 60 V, 500 mA / Digital: 3 off: 60 V DC, 5 mA														
Communication Port 1	USB (slave) or RS232 (adjustable baud rate of up to 57,600)														
Communication Port 2	RS485 KACO Link or RS232 (adjustable baud rate of up to 57600)														
Dual & Three Phase configurable	Yes with an SP PRO GO on each phase														
Warranty	3 - 8 years (conditions apply see website for details)														
<b>STANDARDS</b>															
Safety (UPS)	IEC 62040-1-1:2002 / AS 62040-1-1:2003														
EMC (Domestic limits)	EN 61000.6.3:2007										-				
EMC (Industrial limits)	-										EN 61000.6.4:2007				
Grid Connect	AS4777.2:2005, AS4777.3:2005														
Certification	Certificate of Suitability, Ctick														
Protection	IP43														
<b>OPTIONS</b>															
Generator Backup	Yes, using optional Grid Fail Gen backup module. Auto Start Generators only.										-				
Batteryless operation	Yes, SP PRO GO will manage and log PV solar system without a battery bank.										-				
<b>WEIGHTS &amp; DIMENSIONS</b>															
Weight: Packed / Unpacked with wall mount	39 kg / 35 kg	45 kg / 39 kg	45 kg / 40 kg	54 kg / 42 kg	52 kg / 42 kg	160 kg / 113 kg	163 kg / 115 kg								
Dimensions: Packed / Unpacked h x w x d (mm)	810 x 500 x 350 / 690 x 375 x 220										1080 x 740 x 650 / 870 x 540 x 290				

<sup>1</sup>Where AC rating of Generic inverter does not exceed the Maximum AC Grid Feed Power of the SP PRO GO